



# SEQUENCE LISTING

<110> Burns, Jennifer M.  
Summers, Bretton  
Howard, Maureen C.  
Schall, Thomas J.  
ChemoCentryx, Inc.

<120> Compositions and Methods for Detecting and Treating  
Diseases and Conditions Related to Chemokine Receptors

<130> 019934-003360US

<140> US 10/698,541

<141> 2003-10-30

<150> US 60/337,961

<151> 2001-11-30

<150> US 60/338,100

<151> 2001-11-30

<150> US 10/245,850

<151> 2002-09-16

<150> US 60/434,912

<151> 2002-12-20

<150> US 10/452,015

<151> 2003-05-30

<160> 10

<170> PatentIn Ver. 2.1

<210> 1

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<223> G-protein coupled receptor (GPCR) CCX-CKR2 (RDC1)  
coding sequence

<400> 1

```
atggatctgc atctcttcga ctactcagag ccagggaact tctcggacat cagctggcca 60
tgcaacagca gcgactgcat cgtggtggac acggtgatgt gtcccaacat gcccaacaaa 120
agcgtcctgc tctacacgct ctcttcatt tacattttca tcttcgcat cggcatgatt 180
gccaactccg tgggtggtctg ggtgaatatt caggccaaga ccacaggcta tgacacgcac 240
tgctacatct tgaacctggc cattgccgac ctgtgggttg tcctcaccat cccagtctgg 300
gtggtcagtc tcgtgcagca caaccagtgg cccatgggag agctcacgtg caaagtcaca 360
cacctcatct tctccatcaa cctcttcggc agcattttct tcctcacgtg catgagcgtg 420
gaccgtacc tctccatcac ctacttcacc aacaccccca gcagcaggaa gaagatggta 480
cgccgtgtcg tctgcatcct ggtgtggctg ctggccttct gcgtgtctct gcctgacacc 540
tactacctga agaccgtcac gtctgcgtcc aacaatgaga cctactgccg gtccttctac 600
cccagacaca gcatcaagga gtggctgata ggcattggagc tgggtctccg tgtcttgggc 660
tttgccgttc ccttctccat tatcgctgtc ttctacttcc tgctggccag agccatctcg 720
gcgtccagtg accaggagaa gcacagcagc cggaagatca tcttctccta cgtggtggtc 780
ttccttgtct gctggctgcc ctaccacgtg gcggtgctgc tggacatctt ctccatcctg 840
cactacatcc ctttcacctg ccggtggag cagcctctct tcacggccct gcattgcaca 900
cagtgcctgt cgctgggtgca ctgctgcgtc aaccctgtcc tctacagctt catcaatcgc 960
```

aactacaggt acgagctgat gaaggccttc atcttcaagt actcggccaa aacagggctc 1020  
 accaagctca tcgatgcctc cagagtctca gagacggagt actctgcctt ggagcagagc 1080  
 accaaatga 1089

<210> 2  
 <211> 362  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> G-protein coupled receptor (GPCR) CCX-CKR2 (RDC1)

<400> 2  
 Met Asp Leu His Leu Phe Asp Tyr Ser Glu Pro Gly Asn Phe Ser Asp  
   1                  5                  10                  15  
 Ile Ser Trp Pro Cys Asn Ser Ser Asp Cys Ile Val Val Asp Thr Val  
                   20                  25                  30  
 Met Cys Pro Asn Met Pro Asn Lys Ser Val Leu Leu Tyr Thr Leu Ser  
                   35                  40                  45  
 Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val  
                   50                  55                  60  
 Val Val Trp Val Asn Ile Gln Ala Lys Thr Thr Gly Tyr Asp Thr His  
   65                  70                  75                  80  
 Cys Tyr Ile Leu Asn Leu Ala Ile Ala Asp Leu Trp Val Val Leu Thr  
                   85                  90                  95  
 Ile Pro Val Trp Val Val Ser Leu Val Gln His Asn Gln Trp Pro Met  
                   100                  105                  110  
 Gly Glu Leu Thr Cys Lys Val Thr His Leu Ile Phe Ser Ile Asn Leu  
                   115                  120                  125  
 Phe Gly Ser Ile Phe Phe Leu Thr Cys Met Ser Val Asp Arg Tyr Leu  
                   130                  135                  140  
 Ser Ile Thr Tyr Phe Thr Asn Thr Pro Ser Ser Arg Lys Lys Met Val  
   145                  150                  155                  160  
 Arg Arg Val Val Cys Ile Leu Val Trp Leu Leu Ala Phe Cys Val Ser  
                   165                  170                  175  
 Leu Pro Asp Thr Tyr Tyr Leu Lys Thr Val Thr Ser Ala Ser Asn Asn  
                   180                  185                  190  
 Glu Thr Tyr Cys Arg Ser Phe Tyr Pro Glu His Ser Ile Lys Glu Trp  
                   195                  200                  205  
 Leu Ile Gly Met Glu Leu Val Ser Val Val Leu Gly Phe Ala Val Pro  
                   210                  215                  220  
 Phe Ser Ile Ile Ala Val Phe Tyr Phe Leu Leu Ala Arg Ala Ile Ser  
   225                  230                  235                  240  
 Ala Ser Ser Asp Gln Glu Lys His Ser Ser Arg Lys Ile Ile Phe Ser  
                   245                  250                  255

Tyr Val Val Val Phe Leu Val Cys Trp Leu Pro Tyr His Val Ala Val  
 260 265 270  
 Leu Leu Asp Ile Phe Ser Ile Leu His Tyr Ile Pro Phe Thr Cys Arg  
 275 280 285  
 Leu Glu His Ala Leu Phe Thr Ala Leu His Val Thr Gln Cys Leu Ser  
 290 295 300  
 Leu Val His Cys Cys Val Asn Pro Val Leu Tyr Ser Phe Ile Asn Arg  
 305 310 315 320  
 Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
 325 330 335  
 Lys Thr Gly Leu Thr Lys Leu Ile Asp Ala Ser Arg Val Ser Glu Thr  
 340 345 350  
 Glu Tyr Ser Ala Leu Glu Gln Ser Thr Lys  
 355 360

<210> 3  
 <211> 1089  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> G-protein coupled receptor (GPCR) CCX-CKR2.2  
 coding sequence

<400> 3  
 atggatctgc acctcttcga ctacgccgag ccaggcaact tctcggacat cagctggcca 60  
 tgcaacagca gcgactgcat cgtggtggac acggtgatgt gtcccaacat gcccaacaaa 120  
 agcgtcctgc tctacacgct ctcttcatt tacatcttca tcttcgcat cggcatgatt 180  
 gccaactccg tggtgggtctg ggtgaatatt caggccaaga ccacaggcta tgacacgcac 240  
 tgctacatct tgaacctggc cattgccgac ctgtgggttg tctcaccat cccagtctgg 300  
 gtggtcagtc tcgtgcagca caaccagtgg cccatgggag agctcacgtg caaagtcaca 360  
 caccatcatc tctccatcaa cctcttcagc ggcattttct tctcacgtg catgagcgtg 420  
 gaccgctacc tctccatcac ctacttcacc aacaccccca gcagcaggaa gaagatggta 480  
 cgccgtgtcg tctgcatcct ggtgtggctg ctggccttct gcgtgtctct gcctgacacc 540  
 tactacctga agaccgtcac gtctgcgtcc aacaatgaga cctactgccg gtccttctac 600  
 cccgagcaca gcatcaagga gtggctgacg ggcattggagc tggctcctcg tgtcttgggc 660  
 tttgccgttc ccttctccat tatcgctgtc ttctacttcc tgcctggccag agccatctcg 720  
 gcgtccagtg accaggagaa gcacagcagc cggaagatca tcttctccta cgtgggtggtc 780  
 ttctctgtct gctggctgcc ctaccacgtg gcggtgctgc tggacatctt ctccatcctg 840  
 cactacatcc ctttcacctg ccggtggag cagcctctct tcacggccct gcatgtcaca 900  
 cagtgcctgt cgctgggtgca ctgctgcgtc aacctgttcc tctacagctt catcaatcgc 960  
 aactacaggt acgagctgat gaaggccttc atcttcaagt actcggccaa aacagggctc 1020  
 accaagctca tcgatgcctc cagagtgtcg gagacggagt actcgcctt ggagcaaaac 1080  
 gccaaagtga 1089

<210> 4  
 <211> 362  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> G-protein coupled receptor (GPCR) CCX-CKR2.2

<400> 4

Met	Asp	Leu	His	Leu	Phe	Asp	Tyr	Ala	Glu	Pro	Gly	Asn	Phe	Ser	Asp
1				5					10					15	
Ile	Ser	Trp	Pro	Cys	Asn	Ser	Ser	Asp	Cys	Ile	Val	Val	Asp	Thr	Val
			20					25					30		
Met	Cys	Pro	Asn	Met	Pro	Asn	Lys	Ser	Val	Leu	Leu	Tyr	Thr	Leu	Ser
		35					40					45			
Phe	Ile	Tyr	Ile	Phe	Ile	Phe	Val	Ile	Gly	Met	Ile	Ala	Asn	Ser	Val
	50					55					60				
Val	Val	Trp	Val	Asn	Ile	Gln	Ala	Lys	Thr	Thr	Gly	Tyr	Asp	Thr	His
65					70					75					80
Cys	Tyr	Ile	Leu	Asn	Leu	Ala	Ile	Ala	Asp	Leu	Trp	Val	Val	Leu	Thr
				85					90					95	
Ile	Pro	Val	Trp	Val	Val	Ser	Leu	Val	Gln	His	Asn	Gln	Trp	Pro	Met
		100						105					110		
Gly	Glu	Leu	Thr	Cys	Lys	Val	Thr	His	Leu	Ile	Phe	Ser	Ile	Asn	Leu
	115						120					125			
Phe	Ser	Gly	Ile	Phe	Phe	Leu	Thr	Cys	Met	Ser	Val	Asp	Arg	Tyr	Leu
	130					135					140				
Ser	Ile	Thr	Tyr	Phe	Thr	Asn	Thr	Pro	Ser	Ser	Arg	Lys	Lys	Met	Val
145					150					155					160
Arg	Arg	Val	Val	Cys	Ile	Leu	Val	Trp	Leu	Leu	Ala	Phe	Cys	Val	Ser
				165					170					175	
Leu	Pro	Asp	Thr	Tyr	Tyr	Leu	Lys	Thr	Val	Thr	Ser	Ala	Ser	Asn	Asn
		180						185					190		
Glu	Thr	Tyr	Cys	Arg	Ser	Phe	Tyr	Pro	Glu	His	Ser	Ile	Lys	Glu	Trp
	195						200					205			
Leu	Ile	Gly	Met	Glu	Leu	Val	Ser	Val	Val	Leu	Gly	Phe	Ala	Val	Pro
	210					215					220				
Phe	Ser	Ile	Ile	Ala	Val	Phe	Tyr	Phe	Leu	Leu	Ala	Arg	Ala	Ile	Ser
225					230					235					240
Ala	Ser	Ser	Asp	Gln	Glu	Lys	His	Ser	Ser	Arg	Lys	Ile	Ile	Phe	Ser
			245						250					255	
Tyr	Val	Val	Val	Phe	Leu	Val	Cys	Trp	Leu	Pro	Tyr	His	Val	Ala	Val
			260					265					270		
Leu	Leu	Asp	Ile	Phe	Ser	Ile	Leu	His	Tyr	Ile	Pro	Phe	Thr	Cys	Arg
		275					280					285			
Leu	Glu	His	Ala	Leu	Phe	Thr	Ala	Leu	His	Val	Thr	Gln	Cys	Leu	Ser
	290					295					300				
Leu	Val	His	Cys	Cys	Val	Asn	Pro	Val	Leu	Tyr	Ser	Phe	Ile	Asn	Arg
305					310					315					320

Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
 325 330 335

Lys Thr Gly Leu Thr Lys Leu Ile Asp Ala Ser Arg Val Ser Glu Thr  
 340 345 350

Glu Tyr Ser Ala Leu Glu Gln Asn Ala Lys  
 355 360

<210> 5

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<223> G-protein coupled receptor (GPCR) CCX-CKR2.3  
 coding sequence

<400> 5

atggatctgc atctcttcga ctactcagag ccaggggaact tctcggacat cagctggcca 60  
 tgcaacagca gcgactgcat cgtggtggac acggtgatgt gtcccaacat gccaacaaa 120  
 agcgtcctgc tctacacgct ctcttcatt tacattttca tcttcgtcat cggcatgatt 180  
 gccaactccg tgggtggtctg ggtgaatatc caggccaaga ccacaggcta tgacacgcac 240  
 tgctacatct tgaacctggc cattgccgac ctgtgggttg tctcaccat cccagtctgg 300  
 gtggtcagtc tctgacgca caaccagtgg cccatgggag agctcacgtg caaagtcaca 360  
 cacctcatct tctccatcaa cctcttcggc agcattttct tctcaccgtg catgagcgtg 420  
 gaccgctacc tctccatcac ctacttcacc aacaccccca gcagcaggaa gaagatggta 480  
 cgccgtgtcg tctgcacact ggtgtggctg ctggccttct gcgtgtctct gcctgacacc 540  
 tactacctga agaccgtcac gtctgcgtcc aacaatgaga cctactgccg gtccttctac 600  
 cccgagcaca gcatcaagga gtggctgacg ggcattggagc tgggtctccg tgtcttgggc 660  
 tttgccgttc ccttctccat tgtcgtgtgc ttctacttcc tgggtggccag agccatctcg 720  
 gcgtccagtg accaggagaa gcacagcagc cggaagatca tcttctctta cgtggtggtc 780  
 ttccttgtct gctggttgcc ctaccacgtg gcggtgctgc tggacatctt ctccatcctg 840  
 cactacatcc ctttcacctg ccggctggag cagccctct tccagccct gcattgcaca 900  
 cagtgcctgt cgtggtgca ctgctgcgtc aaccctgtcc tctacagctt catcaatcgc 960  
 aactacaggt acgagctgat gaaggccttc atcttcaagt actcgccaa aacagggtc 1020  
 accaagctca tcatgcctc cagagtctca gagacggagt actctgcctt ggagcagagc 1080  
 accaaatga 1089

<210> 6

<211> 362

<212> PRT

<213> Homo sapiens

<220>

<223> G-protein coupled receptor (GPCR) CCX-CKR2.3

<400> 6

Met Asp Leu His Leu Phe Asp Tyr Ser Glu Pro Gly Asn Phe Ser Asp  
 1 5 10 15

Ile Ser Trp Pro Cys Asn Ser Ser Asp Cys Ile Val Val Asp Thr Val  
 20 25 30

Met Cys Pro Asn Met Pro Asn Lys Ser Val Leu Leu Tyr Thr Leu Ser  
 35 40 45

Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val  
 50 55 60

Val	Val	Trp	Val	Asn	Ile	Gln	Ala	Lys	Thr	Thr	Gly	Tyr	Asp	Thr	His	65	70	75	80
Cys	Tyr	Ile	Leu	Asn	Leu	Ala	Ile	Ala	Asp	Leu	Trp	Val	Val	Leu	Thr	85	90	95	
Ile	Pro	Val	Trp	Val	Val	Ser	Leu	Val	Gln	His	Asn	Gln	Trp	Pro	Met	100	105	110	
Gly	Glu	Leu	Thr	Cys	Lys	Val	Thr	His	Leu	Ile	Phe	Ser	Ile	Asn	Leu	115	120	125	
Phe	Gly	Ser	Ile	Phe	Phe	Leu	Thr	Cys	Met	Ser	Val	Asp	Arg	Tyr	Leu	130	135	140	
Ser	Ile	Thr	Tyr	Phe	Thr	Asn	Thr	Pro	Ser	Ser	Arg	Lys	Lys	Met	Val	145	150	155	160
Arg	Arg	Val	Val	Cys	Ile	Leu	Val	Trp	Leu	Leu	Ala	Phe	Cys	Val	Ser	165	170	175	
Leu	Pro	Asp	Thr	Tyr	Tyr	Leu	Lys	Thr	Val	Thr	Ser	Ala	Ser	Asn	Asn	180	185	190	
Glu	Thr	Tyr	Cys	Arg	Ser	Phe	Tyr	Pro	Glu	His	Ser	Ile	Lys	Glu	Trp	195	200	205	
Leu	Ile	Gly	Met	Glu	Leu	Val	Ser	Val	Val	Leu	Gly	Phe	Ala	Val	Pro	210	215	220	
Phe	Ser	Ile	Val	Ala	Val	Phe	Tyr	Phe	Leu	Leu	Ala	Arg	Ala	Ile	Ser	225	230	235	240
Ala	Ser	Ser	Asp	Gln	Glu	Lys	His	Ser	Ser	Arg	Lys	Ile	Ile	Phe	Ser	245	250	255	
Tyr	Val	Val	Val	Phe	Leu	Val	Cys	Trp	Leu	Pro	Tyr	His	Val	Ala	Val	260	265	270	
Leu	Leu	Asp	Ile	Phe	Ser	Ile	Leu	His	Tyr	Ile	Pro	Phe	Thr	Cys	Arg	275	280	285	
Leu	Glu	His	Ala	Leu	Phe	Thr	Ala	Leu	His	Val	Thr	Gln	Cys	Leu	Ser	290	295	300	
Leu	Val	His	Cys	Cys	Val	Asn	Pro	Val	Leu	Tyr	Ser	Phe	Ile	Asn	Arg	305	310	315	320
Asn	Tyr	Arg	Tyr	Glu	Leu	Met	Lys	Ala	Phe	Ile	Phe	Lys	Tyr	Ser	Ala	325	330	335	
Lys	Thr	Gly	Leu	Thr	Lys	Leu	Ile	Asp	Ala	Ser	Arg	Val	Ser	Glu	Thr	340	345	350	
Glu	Tyr	Ser	Ala	Leu	Glu	Gln	Ser	Thr	Lys							355	360		

<210> 7  
 <211> 1089  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <223> G-protein coupled receptor (GPCR) CCX-CKR2.4  
 coding sequence

<400> 7  
 atggatctgc atctcttcga ctactcagag ccaggaact tctcggacat cagctggcca 60  
 tgcaacagca ggcactgcat cgtggtggac acggtgatgt gtcccaacat gcccaacaaa 120  
 agcgtcctgc tctacacgct ctcttcatt tacattttca tcttcgcat cggcatgatt 180  
 gccaaactccg tgggtggtctg ggtgaatata caggccaaga ccacaggcta tgacacgcac 240  
 tgctacatct tgaacctggc cattgccgac ctgtgggttg tctcaccat ccagctctgg 300  
 gtgggtcagtc tcgtgcagca caaccagtgg cccatgggag agctcacgtg caaagtcaca 360  
 cacctcatct tctccatcaa cctcttcggc agcattttct tctcaccgtg catgagcgtg 420  
 gaccgctacc tctccatcac ctacttcacc aacaccccca gcagcaggaa gaagatggta 480  
 cgccgtgtcg tctgcatact ggtgtggctg ctggccttct gcgtgtctct gcctgacacc 540  
 tactacctga agaccgtcac gtctgcgtcc aacaatgaga cctactgccg gtccttctac 600  
 cccgagcaca gcatcaagga gtggctgatc ggcattggag tggctccgt tgtcttgggc 660  
 tttgccgttc ccttctccat tatcgtgtgc ttctacttcc tgctggccag agccatctcg 720  
 gcgtccagt accaggagaa gcacagcagc cggaagatca tcttctccta cgtggtggtc 780  
 ttccttgtct gctggctgcc ctaccacgtg gcggtgctgc tggacatctt ctccatcctg 840  
 cactacatcc ctttcacctg ccggctggag cagccctct tccagccct gcattgcaca 900  
 cagtgcctgt cgtggtgca ctgctgcgtc aaccctgtcc tctacagctt catcaatcgc 960  
 aactacaggt acgagctgat gaaggccttc atcttcaagt actcgccaa aacagggtc 1020  
 accaagctca tcgatgcctc cagagtctca gagacggagt actctgcctt ggagcagagc 1080  
 accaaatga 1089

<210> 8  
 <211> 362  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <223> G-protein coupled receptor (GPCR) CCX-CKR2.4

<400> 8  
 Met Asp Leu His Leu Phe Asp Tyr Ser Glu Pro Gly Asn Phe Ser Asp  
 1 5 10 15  
 Ile Ser Trp Pro Cys Asn Ser Ser Asp Cys Ile Val Val Asp Thr Val  
 20 25 30  
 Met Cys Pro Asn Met Pro Asn Lys Ser Val Leu Leu Tyr Thr Leu Ser  
 35 40 45  
 Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val  
 50 55 60  
 Val Val Trp Val Asn Ile Gln Ala Lys Thr Thr Gly Tyr Asp Thr His  
 65 70 75 80  
 Cys Tyr Ile Leu Asn Leu Ala Ile Ala Asp Leu Trp Val Val Leu Thr  
 85 90 95  
 Ile Pro Val Trp Val Val Ser Leu Val Gln His Asn Gln Trp Pro Met  
 100 105 110

Gly Glu Leu Thr Cys Lys Val Thr His Leu Ile Phe Ser Ile Asn Leu  
 115 120 125  
 Phe Gly Ser Ile Phe Phe Leu Thr Cys Met Ser Val Asp Arg Tyr Leu  
 130 135 140  
 Ser Ile Thr Tyr Phe Thr Asn Thr Pro Ser Ser Arg Lys Lys Met Val  
 145 150 155 160  
 Arg Arg Val Val Cys Ile Leu Val Trp Leu Leu Ala Phe Cys Val Ser  
 165 170 175  
 Leu Pro Asp Thr Tyr Tyr Leu Lys Thr Val Thr Ser Ala Ser Asn Asn  
 180 185 190  
 Glu Thr Tyr Cys Arg Ser Phe Tyr Pro Glu His Ser Ile Lys Glu Trp  
 195 200 205  
 Leu Ile Gly Met Glu Leu Val Ser Val Val Leu Gly Phe Ala Val Pro  
 210 215 220  
 Phe Ser Ile Ile Ala Val Phe Tyr Phe Leu Leu Ala Arg Ala Ile Ser  
 225 230 235 240  
 Ala Ser Ser Asp Gln Glu Lys His Ser Ser Arg Lys Ile Ile Phe Ser  
 245 250 255  
 Tyr Val Val Val Phe Leu Val Cys Trp Leu Pro Tyr His Val Ala Val  
 260 265 270  
 Leu Leu Asp Ile Phe Ser Ile Leu His Tyr Ile Pro Phe Thr Cys Arg  
 275 280 285  
 Leu Glu His Ala Leu Phe Thr Ala Leu His Val Thr Gln Cys Leu Ser  
 290 295 300  
 Leu Val His Cys Cys Val Asn Pro Val Leu Tyr Ser Phe Ile Asn Arg  
 305 310 315 320  
 Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
 325 330 335  
 Lys Thr Gly Leu Thr Lys Leu Ile Asp Ala Ser Arg Val Ser Glu Thr  
 340 345 350  
 Glu Tyr Ser Ala Leu Glu Gln Ser Thr Lys  
 355 360

<210> 9

<211> 1089

<212> DNA

<213> Homo sapiens

<220>

<223> G-protein coupled receptor (GPCR) CCX-CKR2.5  
coding sequence

<400> 9

atggatctgc atctcttcga ctactcagag ccaggggaact tctcggacat cagctggccg 60  
 tgcaacagca gcgactgcat cgtggtggac acggtgatgt gtcccaacat gcccaacaaa 120



```

agcgctcctgc tctacacgct ctccttcatt tacattttca tcttcgtcat cggcatgatt 180
gccaactccg tgggtggtctg ggtgaatc caggccaaga ccacaggcta tgacacgcac 240
tgctacatct tgaacctggc cattgccgac ctgtgggttg tctcaccat ccagctctgg 300
gtggtcagtc tcgtgcagca caaccagtgg cccatgggcg agctcacgtg caaagtcaca 360
cacctcatct tctccatcaa cctcttcagc agcattttct tctcacgtg catgagcgtg 420
gaccgctacc tctccatcac ctacttcacc aacaccccca gcagcaggaa gaagatggta 480
cgccgtgtcg tctgcatcct ggtgtggctg ctggccttct gcgtgtctct gcctgacacc 540
tactacctga agaccgtcac gtctgcgtcc aacaatgaga cctactgccg gtccttctac 600
cccgagcaca gcatcaagga gtggctgatc ggcatggagc tgggtctccgt tgtcttgggc 660
tttgccgttc ccttctccat tatcgtctgc ttctacttcc tgctggccag agccatctcg 720
gcgtccagtg accaggagaa gcacagcagc cggaagatca tcttctccta cgtgggtggc 780
ttccttgtct gctgggttgc ctaccacgtg gcggtgctgc tggacatctt ctccatcctg 840
cactacatcc ctttcacctg ccggctggag cagccctct tcacggccct gcatgtcaca 900
cagtgcctgt cgctgggtgca ctgctgcgtc aaccctgtcc tctacagctt catcaatcgc 960
aactacaggt acgagctgat gaaggccttc atcttcaagt actcggccaa aacaggggctc 1020
accaagctca tcgatgcctc cagagtctca gagacggagt actccgcctt ggagcagagc 1080
accaaata 1089

```

<210> 10

<211> 362

<212> PRT

<213> Homo sapiens

<220>

<223> G-protein coupled receptor (GPCR) CCX-CKR2.5

<400> 10

```

Met Asp Leu His Leu Phe Asp Tyr Ser Glu Pro Gly Asn Phe Ser Asp
  1              5              10              15

Ile Ser Trp Pro Cys Asn Ser Ser Asp Cys Ile Val Val Asp Thr Val
  20              25              30

Met Cys Pro Asn Met Pro Asn Lys Ser Val Leu Leu Tyr Thr Leu Ser
  35              40              45

Phe Ile Tyr Ile Phe Ile Phe Val Ile Gly Met Ile Ala Asn Ser Val
  50              55              60

Val Val Trp Val Asn Ile Gln Ala Lys Thr Thr Gly Tyr Asp Thr His
  65              70              75              80

Cys Tyr Ile Leu Asn Leu Ala Ile Ala Asp Leu Trp Val Val Leu Thr
  85              90              95

Ile Pro Val Trp Val Val Ser Leu Val Gln His Asn Gln Trp Pro Met
 100              105              110

Gly Glu Leu Thr Cys Lys Val Thr His Leu Ile Phe Ser Ile Asn Leu
 115              120              125

Phe Ser Ser Ile Phe Phe Leu Thr Cys Met Ser Val Asp Arg Tyr Leu
 130              135              140

Ser Ile Thr Tyr Phe Thr Asn Thr Pro Ser Ser Arg Lys Lys Met Val
 145              150              155              160

Arg Arg Val Val Cys Ile Leu Val Trp Leu Leu Ala Phe Cys Val Ser
 165              170              175

```

Leu Pro Asp Thr Tyr Tyr Leu Lys Thr Val Thr Ser Ala Ser Asn Asn  
 180 185 190  
 Glu Thr Tyr Cys Arg Ser Phe Tyr Pro Glu His Ser Ile Lys Glu Trp  
 195 200 205  
 Leu Ile Gly Met Glu Leu Val Ser Val Val Leu Gly Phe Ala Val Pro  
 210 215 220  
 Phe Ser Ile Ile Ala Val Phe Tyr Phe Leu Leu Ala Arg Ala Ile Ser  
 225 230 235 240  
 Ala Ser Ser Asp Gln Glu Lys His Ser Ser Arg Lys Ile Ile Phe Ser  
 245 250 255  
 Tyr Val Val Val Phe Leu Val Cys Trp Leu Pro Tyr His Val Ala Val  
 260 265 270  
 Leu Leu Asp Ile Phe Ser Ile Leu His Tyr Ile Pro Phe Thr Cys Arg  
 275 280 285  
 Leu Glu His Ala Leu Phe Thr Ala Leu His Val Thr Gln Cys Leu Ser  
 290 295 300  
 Leu Val His Cys Cys Val Asn Pro Val Leu Tyr Ser Phe Ile Asn Arg  
 305 310 315 320  
 Asn Tyr Arg Tyr Glu Leu Met Lys Ala Phe Ile Phe Lys Tyr Ser Ala  
 325 330 335  
 Lys Thr Gly Leu Thr Lys Leu Ile Asp Ala Ser Arg Val Ser Glu Thr  
 340 345 350  
 Glu Tyr Ser Ala Leu Glu Gln Ser Thr Lys  
 355 360